ABSTRACT

~~There is provided an~~ An optical head device~~, which includes~~ including a ~~voltage supply type of~~ phase correcting element ~~capable of continuously varying a wave front shape in a plane with respect to outgoing light from a light source. In order to attain this object, the phase correcting element is fabricated so that~~ having an anisotropic optical medium ~~is~~ sandwiched between a pair of substrates~~.~~~~, the~~ The paired substrates ~~having~~ have surfaces provided with electrodes for voltage application to the anisotropic optical medium~~.~~~~, the~~ One electrode on at least one of the substrates has two or more power supply electrodes provided thereon at different positions, thereby providing different voltages to the respective power supply electrodes~~.~~~~, and this~~ The phase correcting element is provided between a collimating lens and a quarter wave plate in the optical head device.

~~In addition, the optical head device is provided so as to decrease the number of the control circuits for voltage supply to the phase correcting element, which continuously varies the wave front shape.~~

~~In order to attain this object, the phase correcting element is fabricated so that two or more power supply electrodes are electrically connected through a thin film resistor made of an electrically conductive thin film, and this phase correcting element is provide in the optical head device~~.